

# New England's Pipeline Problems in Perspective

Richard Levitan

April 23, 2015

**LEVITAN & ASSOCIATES, INC.**  
MARKET DESIGN, ECONOMICS AND POWER SYSTEMS

# Agenda

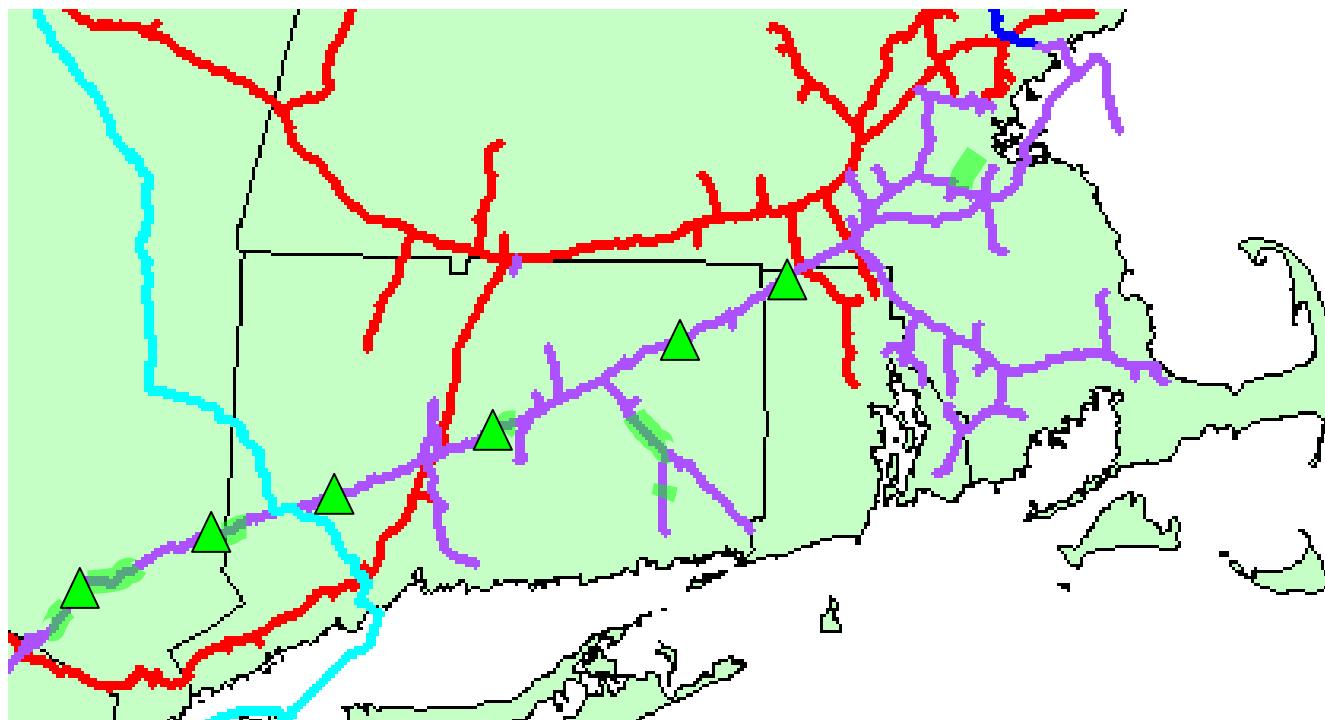
- ◆ New England Pipeline Projects
- ◆ Northeast Region Pipeline Projects
- ◆ New England Pipeline Utilization
- ◆ LNG Imports and Sendout
- ◆ Regional Gas Prices

# New England West-to-East Pipeline Projects

- ◆ AIM Project (Algonquin)
- ◆ Connecticut Expansion Project (Tennessee)
- ◆ Atlantic Bridge Project (Algonquin/M&N)
- ◆ Northeast Energy Direct Project (Tennessee)
- ◆ Access Northeast Project  
(Algonquin/M&N/Eversource/NGrid)

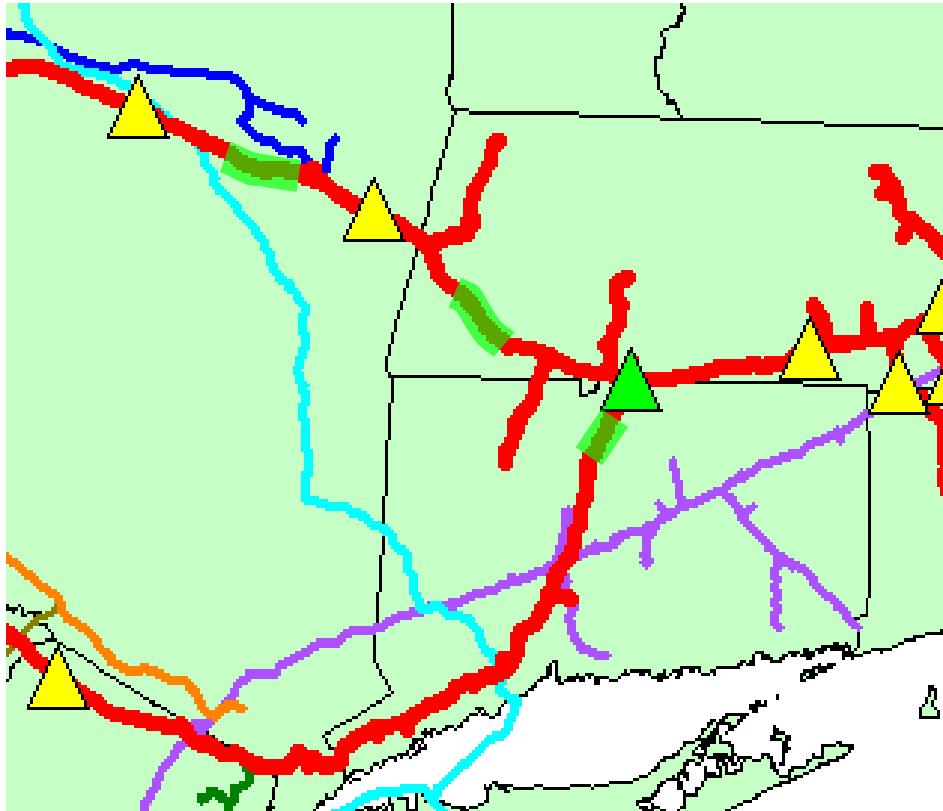
# AIM Project (Algonquin)

- ◆ 37.6 miles of replacement, looping and lateral pipeline
- ◆ 81,620 HP of compression at existing stations
- ◆ 342 MDth/d for ten CT/MA/RI municipals and LDCs
- ◆ Authorized by FERC on March 3, 2015
- ◆ Planned November 2016 in-service date



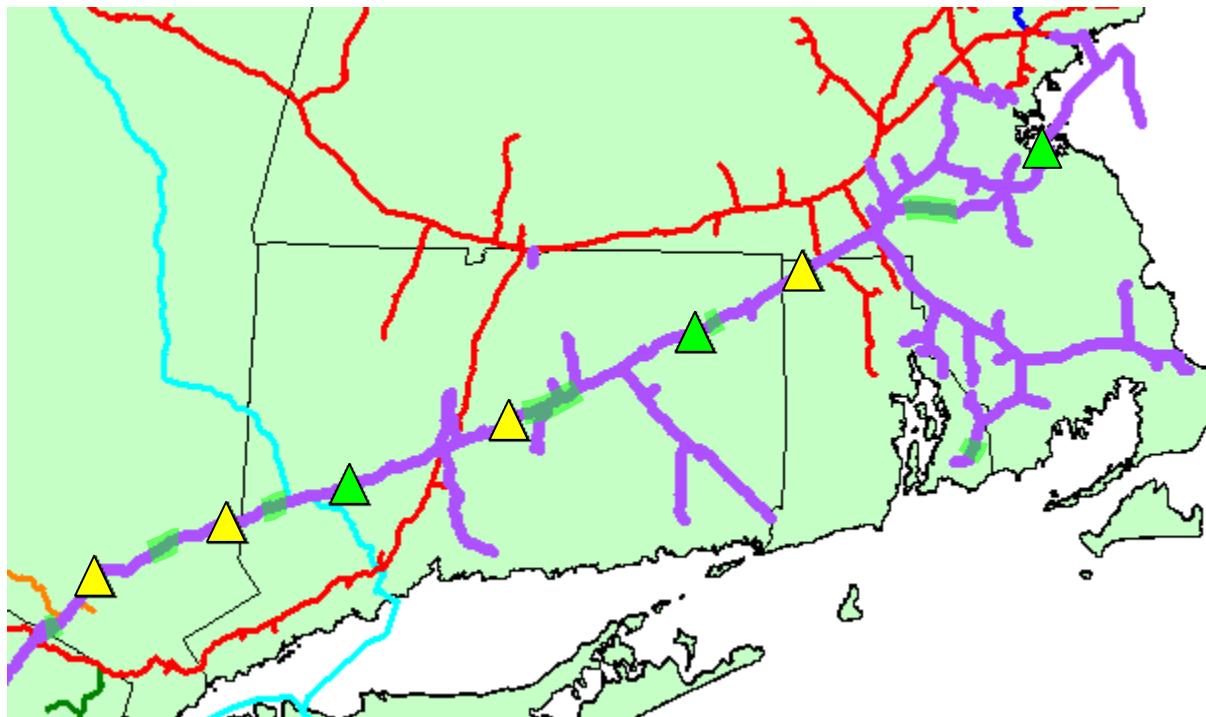
# Connecticut Expansion (Tennessee)

- ◆ 13.26 miles of 24- and 36-in looping in NY, MA, CT
- ◆ 72 MDth/d for Connecticut LDCs
- ◆ Currently under FERC review
- ◆ Planned November 2016 in-service date



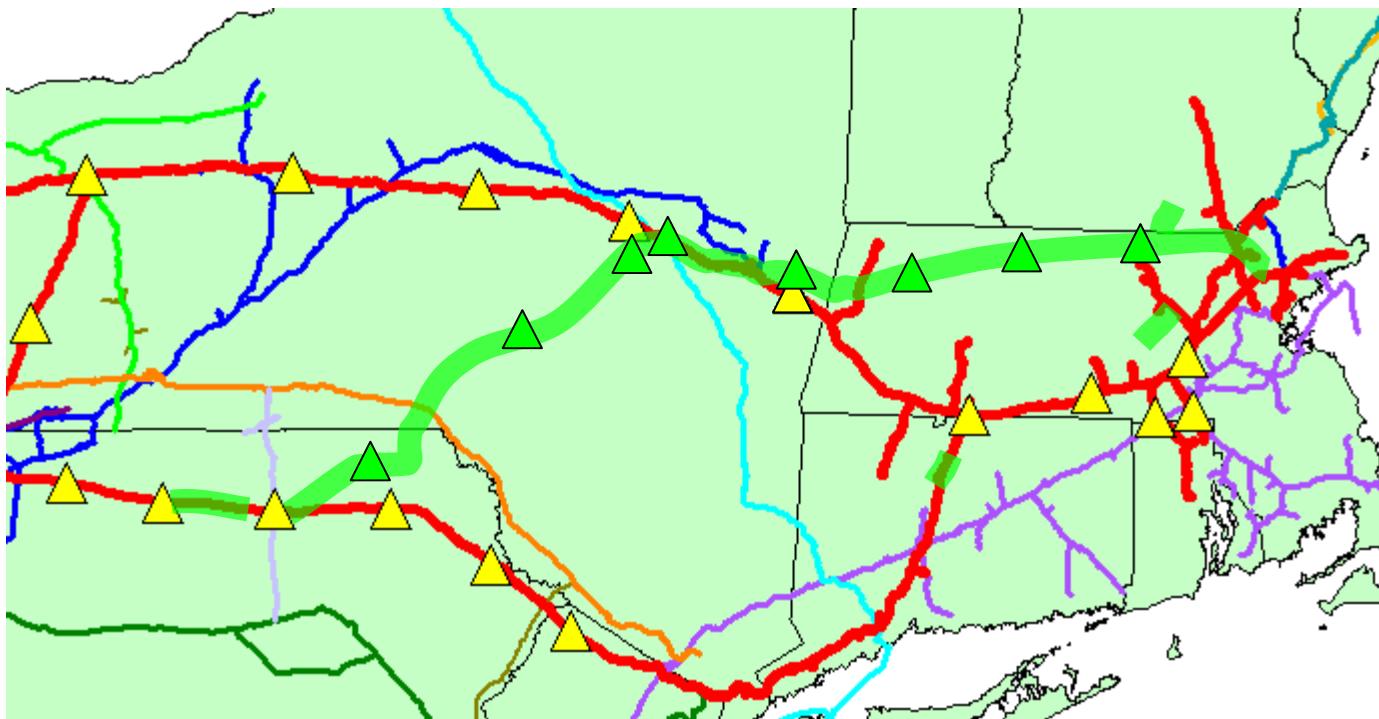
# Atlantic Bridge Project (Algonquin/M&N)

- ◆ 36.2 miles of replacement, looping and lateral pipeline
- ◆ 29,530 HP of compression and existing/new stations
- ◆ 222 MDth/d for six LDCs (Util is an anchor shipper)
- ◆ Currently in FERC pre-filing
- ◆ Planned November 2017 in-service date



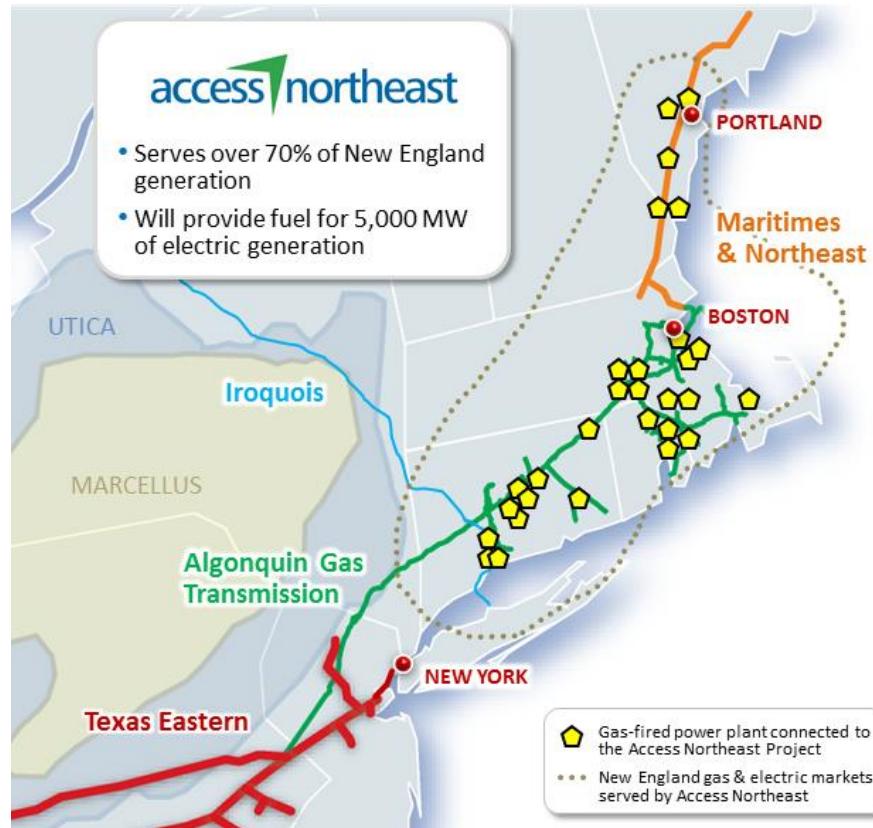
# Northeast Energy Direct Project (Tennessee)

- ◆ 417 miles of new, replacement, looping, lateral pipeline
- ◆ 365,500 HP at eight new compressor stations
- ◆ Up to 1.2 Bcf/d or 2.2 Bcf/d, depending on pipe diameter
- ◆ 500 MDth/d contracted with New England LDCs
- ◆ Currently in FERC pre-filing
- ◆ Planned November 2018 in-service date

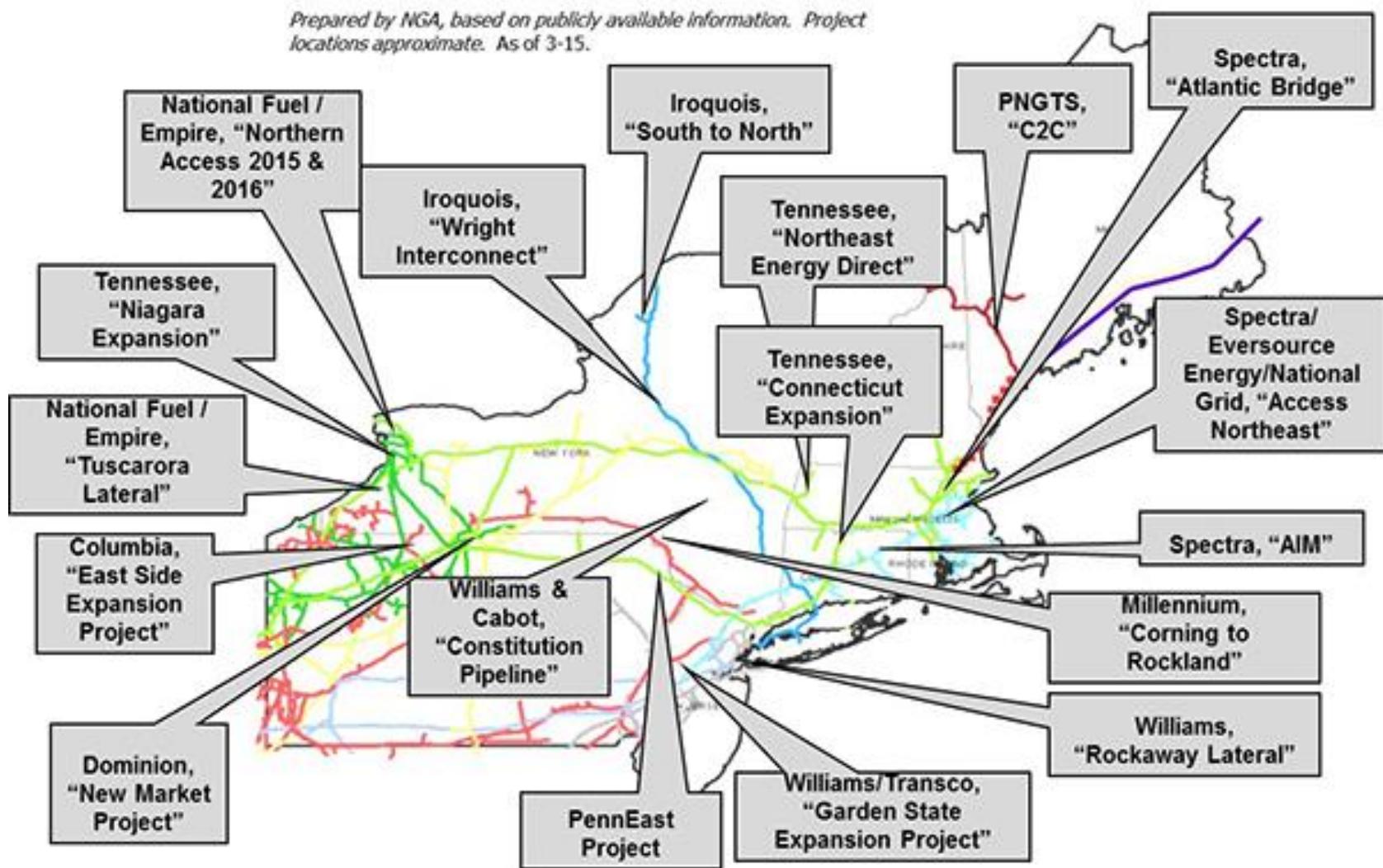


# Access Northeast Project (Spectra/Eversource/NGrid)

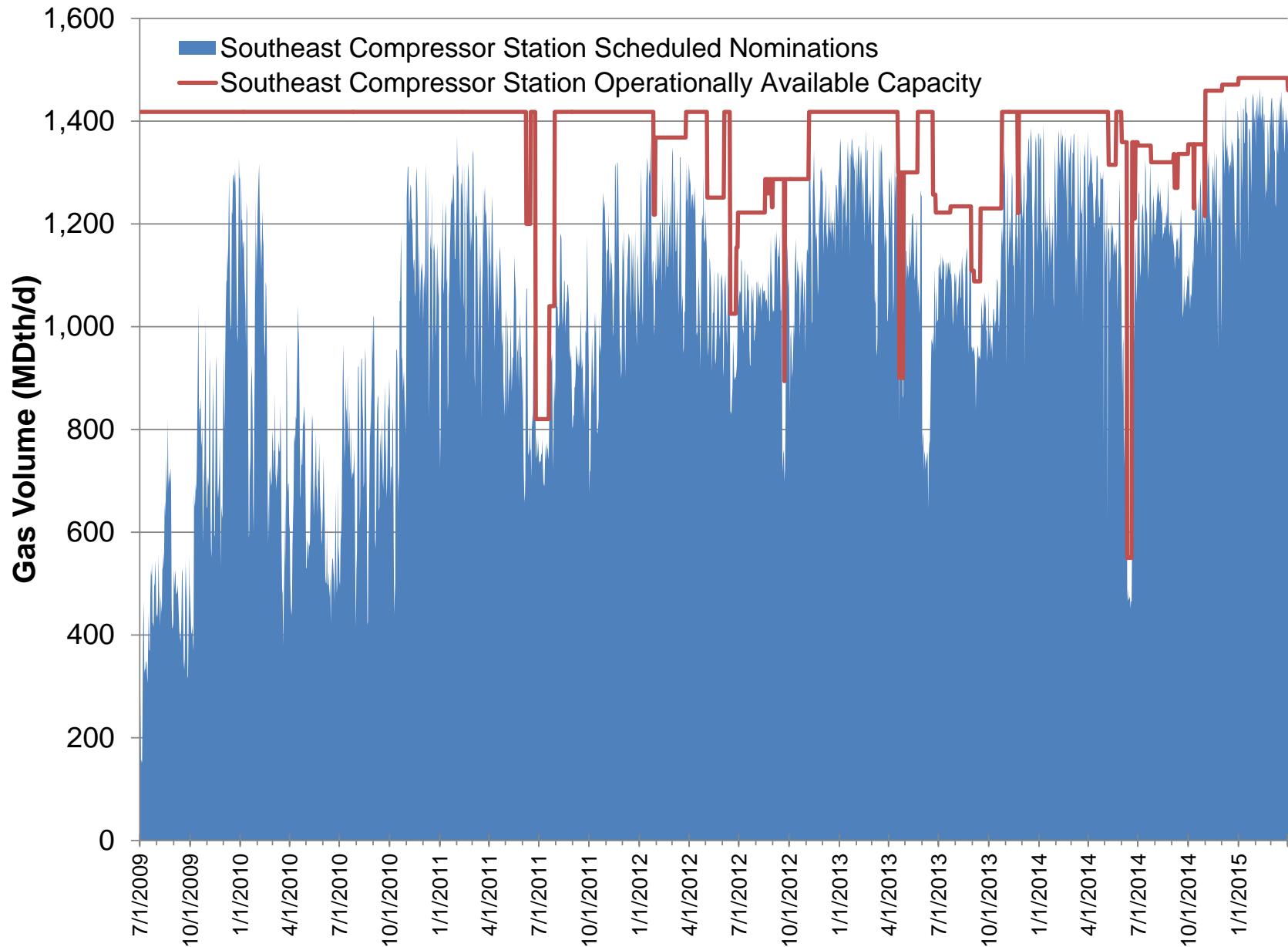
- ◆ Facilities still in development
- ◆ Up to 1 Bcf/d for primarily power generators
- ◆ Currently in open season through May 1, 2015
- ◆ Planned November 2018 in-service date



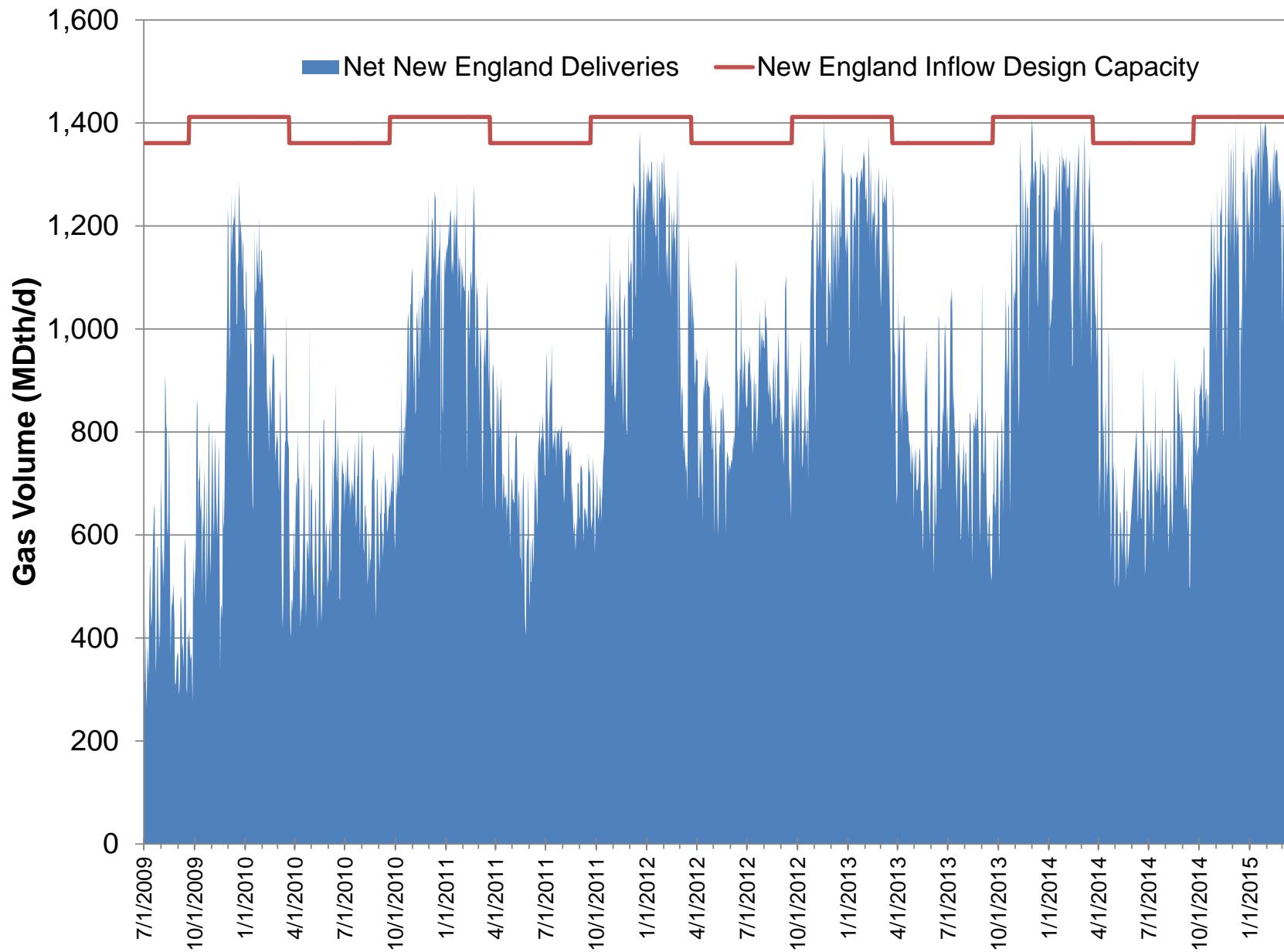
# Northeast Region Pipeline Projects



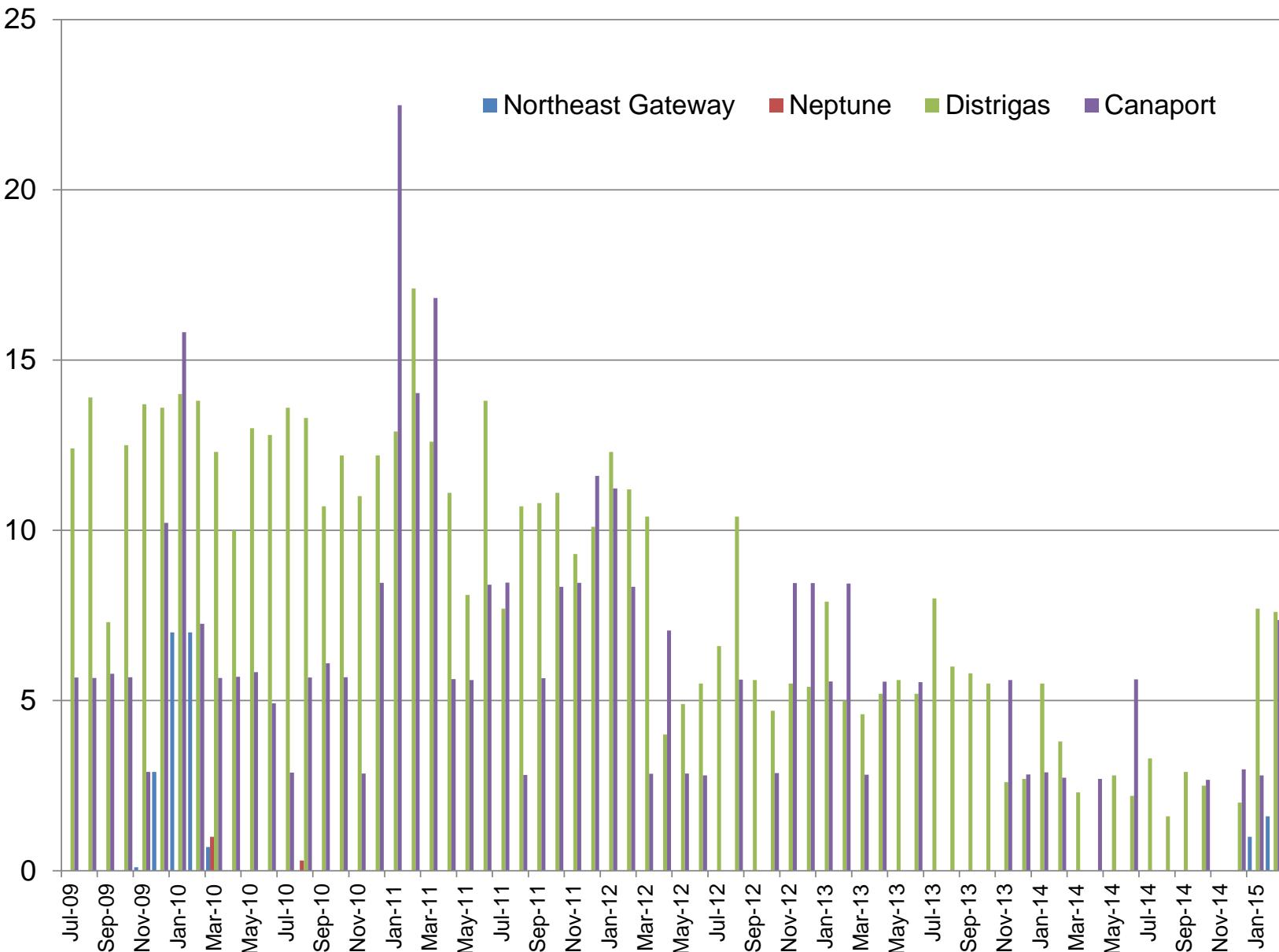
# New England Pipeline Utilization: Algonquin



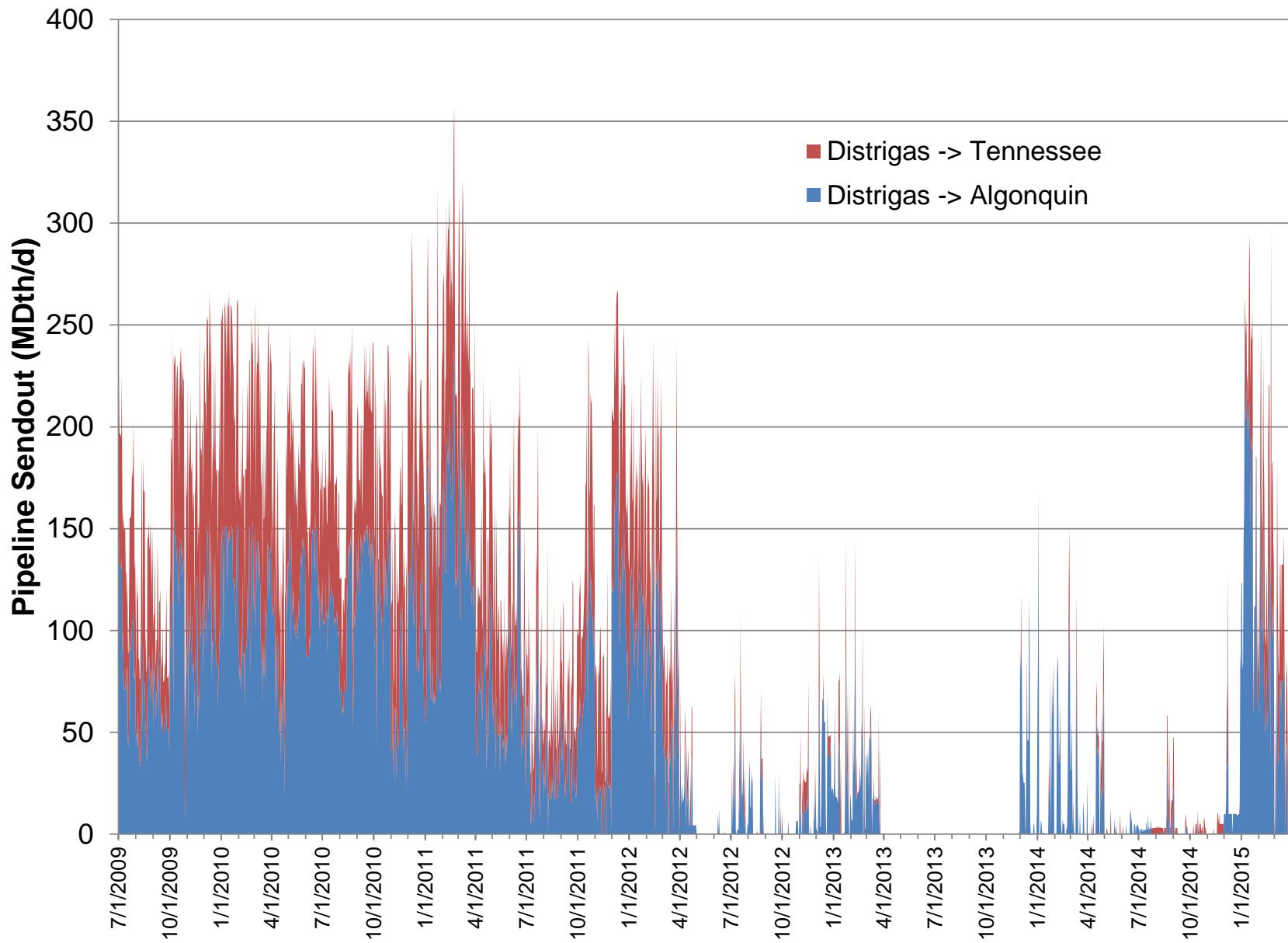
# New England Pipeline Utilization: Tennessee



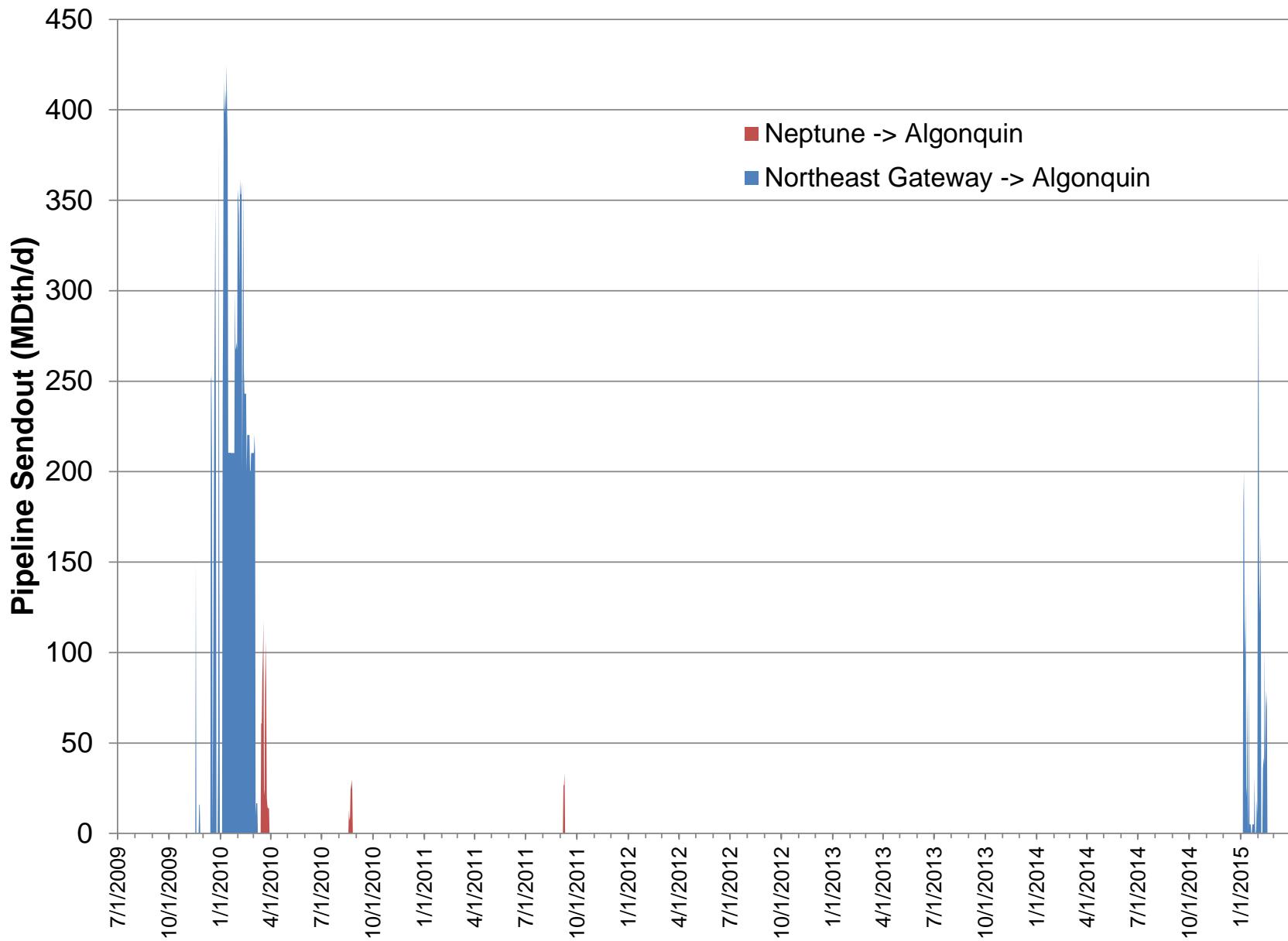
# Northeast Region LNG Imports



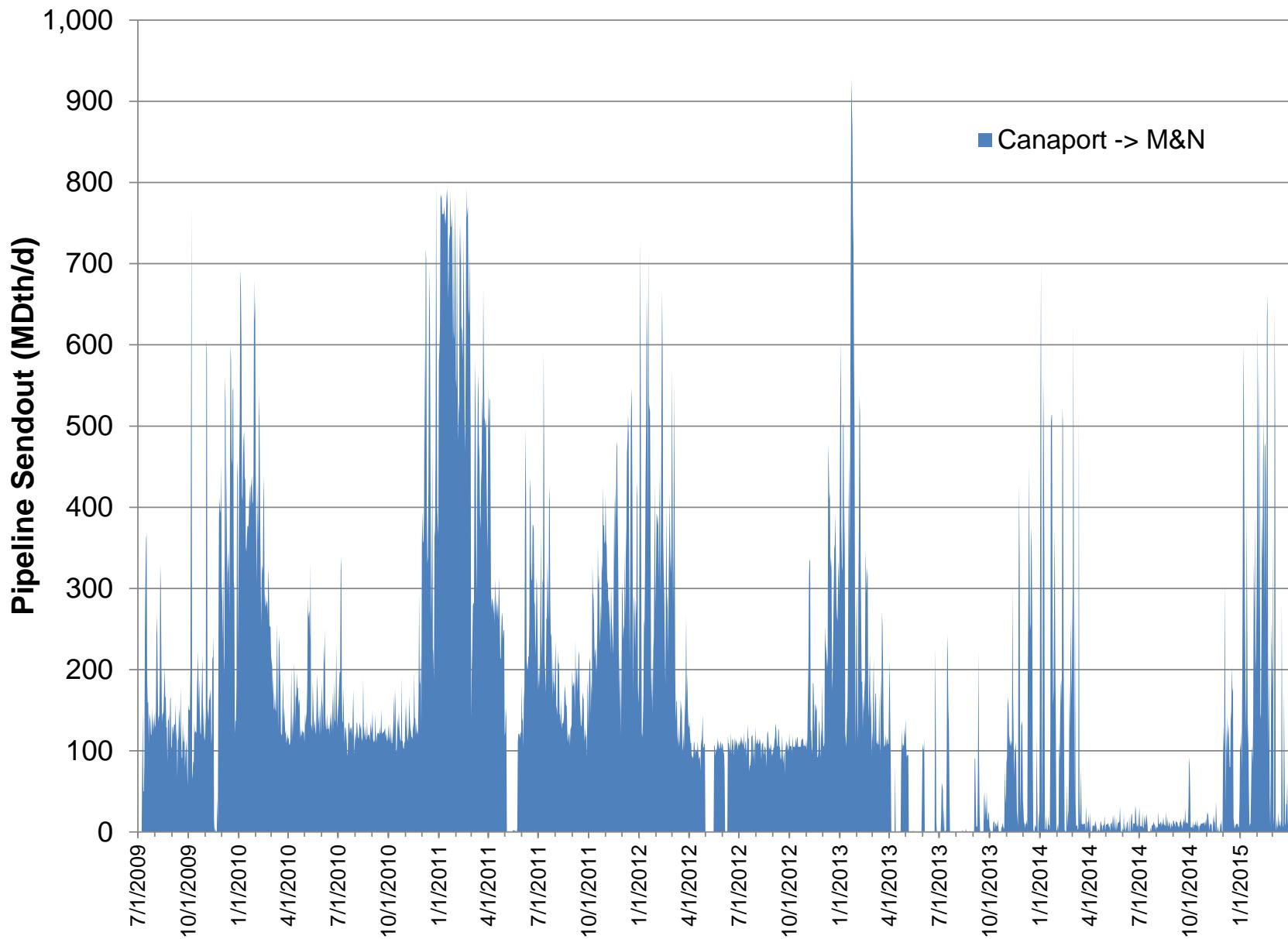
# LNG Sendout from Distrigas



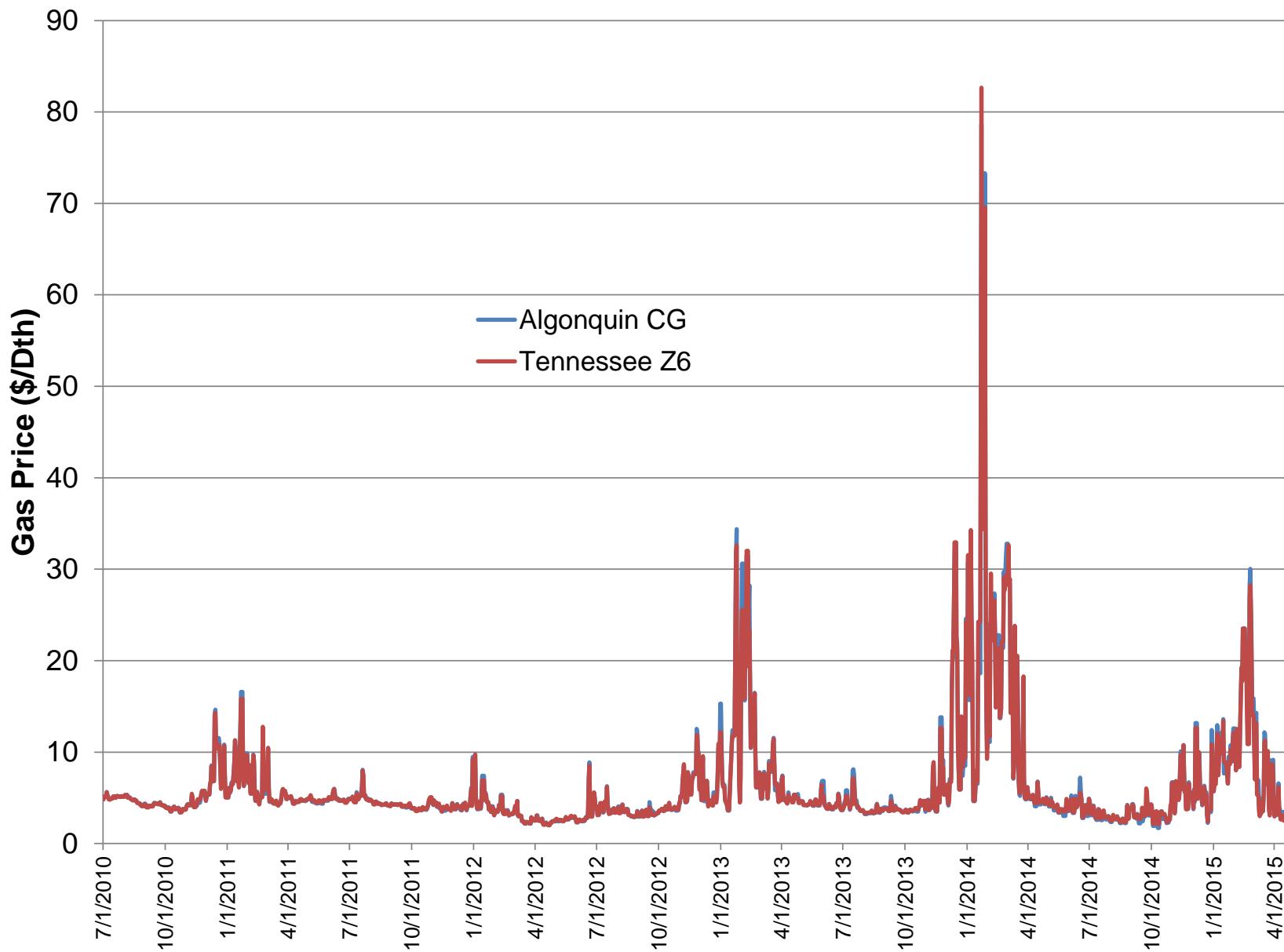
# LNG Sendout from Offshore Terminals



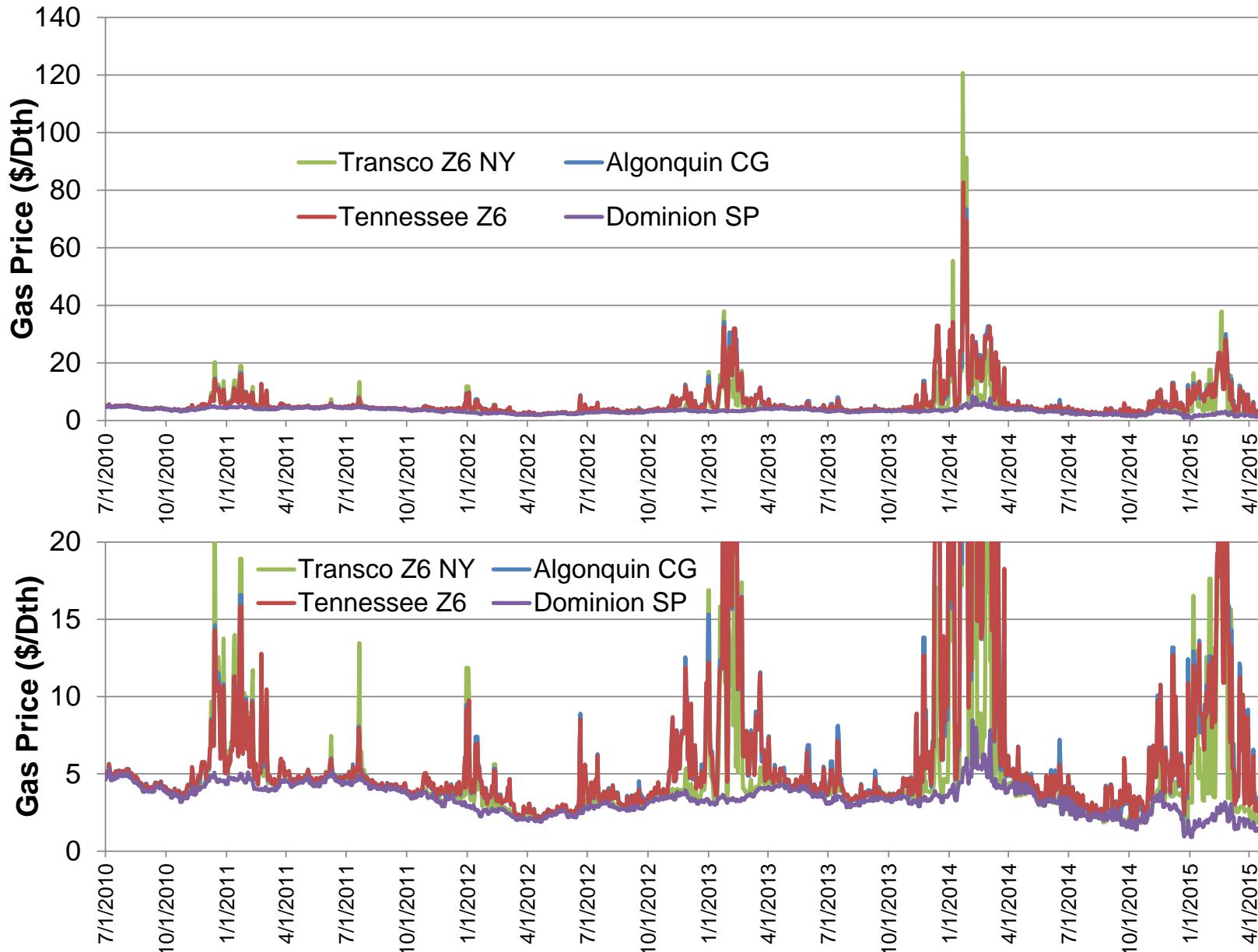
# LNG Sendout from Canaport



# Gas Prices: New England Seasonal Spikes



# Gas Prices: New England vs. New York & PJM



# Gas Prices: New England vs. New York Basis

